

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)

Applicant(s): Masahiko HIROSE

Docket No.

04558.035002

Serial No.

10/002,549

Filing Date

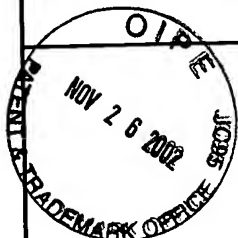
November 2, 2001

Examiner

David L. Sorkin

Group Art Unit

1723

Invention: **HIGHLY PERMEABLE COMPOSITE REVERSE OSMOSIS MEMBRANE AND METHOD OF PRODUCING THE SAME**I hereby certify that this Request for Continued Examination

(Identify type of correspondence)

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PTO/SB/30 (10/2001)

Approved for use through 10/31/2002 OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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REQUEST FOR CONTINUED EXAMINATION (RCE) TRANSMITTAL

Address to:
Commissioner for Patents
Box RCE
Washington, DC 20231

Application Number	10/002,549
Filing Date	November 2, 2001
First Named Inventor	Masahiko HIROSE
Art Unit	1723
Examiner Name	Sorkin, D.
Attorney Docket Number	04558/035002

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. See Instruction Sheet for RCEs (not to be submitted to the USPTO) on page 2.

1. Submission required under 37 CFR §1.114

a. ☐ Previously submitted

- i. ☐ Consider the amendment(s)/reply under 37 CFR §1.116 previously filed on _____
(Any unentered amendment(s) referred to above will be entered).
- ii. ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____
- iii. ☐ Other _____

b. ☒ Enclosed

- i. ☒ Amendment/Reply
- ii. ☐ Affidavit(s)/Declaration(s)
- iii. ☐ Information Disclosure Statement (IDS)
- iv. ☐ Other _____

2. Miscellaneous

- a. ☐ Suspension of action on the above-identified application is requested under 37 CFR §1.103(c) for a period of _____ months (Period of suspension shall not exceed 3 months; Fee under 37 CFR §1.17(i) required)
- b. ☐ Other _____

3. Fees

The RCE fee under 37 CFR §1.17(e) is required by 37 CFR §1.114 when the RCE is filed.

- a. ☒ The Director is hereby authorized to charge the following fees, or credit any overpayments, to Deposit Account No. 50-0591

- i. ☒ RCE fee required under 37 CFR §1.17(e) 11/29/2002 BABRAH31 00000093 10002549
- ii. ☒ Extension of time fee (37 CFR §§1.136 and 1.17) 01 FC:1801 740.00 OP
- iii. ☐ Other _____

- b. ☒ Check in the amount of \$ 850.00 enclosed

- c. ☐ Payment by credit card (Form PTO-2038 enclosed)

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Name (Print / Type)	Jonathan P. Osha 45,925	Registration No. (Attorney / Agent)	33,986
Signature	Jeffrey S. Bergman	Date	11/26/02

CERTIFICATE OF MAILING OR TRANSMISSION

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Signature	Date

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND Fees and Completed Forms to the following address: Assistant Commissioner for Patents, Box RCE, Washington, DC 20231.



#13/Amend
PATENT
11/23/02
Sorkin

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Masahiko HIROSE
Serial No.: 10/002,549
Filed : 11/2/2001
Title : Highly Permeable Composite Reverse Osmosis Membrane and Method of Producing the Same

Art Unit : 1723
Examiner : Sorkin, D.

Assistant Commissioner for Patents
Washington, DC 20231

SUBMISSION WITH REQUEST FOR CONTINUED
EXAMINATION UNDER 37 C.F.R. § 1.114

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Dear Sir:

In response to the Office Action dated August 1, 2002, please amend this application as follows and consider the included remarks.

IN THE CLAIMS

Please amend the claims as follows (A marked-up copy of the claims is provided in

Appendix A):

1. (Three Times Amended) A highly permeable composite reverse osmosis membrane comprising a thin film and a microporous support to support the thin film;
wherein the thin film is formed by reacting a polyvinyl alcohol-based amine compound having at least two amino groups with at least one substantially monomeric compound having at least two groups that react with the at least two amino groups on the polyvinyl alcohol-based amine compound,
and wherein the highly permeable composite reverse osmosis membrane having a salt rejection of no more than 80% as assessed with a pH 6.5 aqueous solution comprising 500 mg/liter of sodium chloride at an operation pressure of 5 kg/cm² and at a temperature of 25 °C.